

Claims

[1] 1. A cap containing a secondary material, comprising:
a fixing member fixed on a container, the fixing member having a hollow main body and a supporting tube extending downward from an inner surface of the hollow main body, the supporting tube having a material exhausting portion and a seal member formed on the lower end of the supporting tube; and
a movable member coupled to the fixing member, the movable member having a main body coupled on the main body of the fixing member and a tube extending downward from the main body to define a storage chamber for the secondary material, the tube being provided with an opened lower end through which the secondary material can be filled in the storage chamber, the opened lower end of the tube being tightly interlocked with the seal member formed on the supporting tube of the fixing member after the secondary material is filled in the storage chamber and the movable member is coupled to the fixing member and being released from the seal member so that the secondary material can be mixed with a primary material contained in the container by being exhausted into the bottle through the material exhausting portion formed on the supporting tube of the fixing member.

2. The cap of claim 1, wherein the hollow main body of the fixing member includes a sidewall fixed on the container and a spouting portion extending upward from the sidewall, the movable member is coupled to the spouting portion.

3. The cap of claim 1, wherein the hollow main of the fixing member is screw-coupled to the main body of the movable member.

4. The cap of claim 1, wherein the tube is separated from the main body, the tube being provided with a circumferential top projection that is engaged with a hook projection extending downward from a bottom of the main body.

5. The cap of claim 4, wherein the tube is provided with a circumferential bottom projection that will be hooked on a circumferential projection formed on an inner surface of the supporting tube of the fixing member when the movable member is removed from the fixing member.

6. The cap of claim 1, further comprising a stirring projection pin formed on the seal member to stir the secondary material when the movable member is removed from the fixing member.

7. The cap of claim 1, further comprising a first tamper-proof formed on a lower end of the hollow main body of the fixing member and a second tamper-proof formed on a main body of the movable member.
8. The cap according to claim 1, further comprising a seal enhancement member disposed on a bottom of the supporting tube.
9. The cap according to claim 8, wherein the seal enhancement member is an O-ring.
10. The cap according to claim 9, wherein the O-ring is formed of silicon.
11. The cap according to claim 1, wherein the seal member is separately prepared from the supporting tube and fixedly assembled on the supporting tube.
12. A product employing a cap claimed in any one of claims 1 through 11.